

Lisbon Valley Mining LLC(LVM)

(Stay of Mining Issued June 1997. Stopped construction in Sept. 1997. Hope to restart in June 1998.)

- LVM- 45% Summo, 55% St. Mary and Summo is the operator.
- The Lisbon Valley Property is comprised of approximately 5,940 acres about 45 miles southeast of Moab, Utah.
- Mine the Centennial, Sentinel and GTO deposits by open-pit methods using acid leaching and SX-EW technology.
- Facility designed to produce cathode copper to meet LME Grade A standards at approximately 40 million lbs per year

- **The Revised Final Feasibility Study (Oct. 1996) before suspension estimates:**

- a) the initial capital US\$42 million including all process equipment, infrastructure, engineering/construction management
- b) working capital US\$7.6 million, pre-operating capital, capitalized interest and royalty buyout.
- c) Average per year of:

US\$0.47/lb of copper cash operating cost

Mine life of 7.5 years at a copper price of US\$0.90

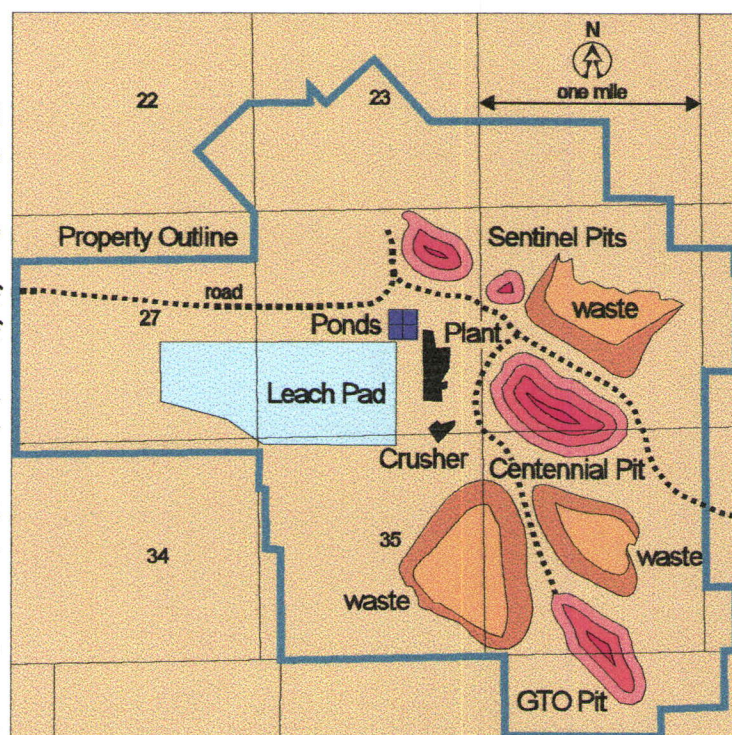
Mine life of 10 years at above US\$1.10

4,700,000tons ore -8,600,000 tons of waste
90.2% recovery 39 million lbs. of copper.

- The Company had signed an agreement to underwrite a US\$45 million project financing facility with two financial underwriters. The underwriters are to be compensated in part through a 13.5 % cash flow participation after debt service on the first 382 million pounds of copper sold from the project. The Company is require to lodge US\$13.2 million into a project fund. **The Company hopes to conclude this financing package once the Stay is removed.**

- The Company hopes to re start construction in 1998 and start producing copper in early 1999, with full production by end of 1999.

- Exploration potential between the Sentinel and Centennial deposit and southeast of the GTO deposit is excellent.



Lisbon Valley Project - Proposed Site Plan

Lisbon Valley Movable Reserves

Deposit	Ore Tons	Grade % Cu	Cu lbs contain	Strip Ratio
Sentinel	6,716,000	0.312%	41,940,000	0.55
Centennial	25,310,000	0.484%	244,880,000	1.86
GTO	2,998,000	0.631%	37,860,000	4.51
Total	35,024,000	0.464%	324,680,000	1.84
At a copper price US\$0.90				
at US\$1.10	46,476,000	0.424%	394,440,000	2.36

